

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 09/763,978B
Source: 1600
Date Processed by STIC: 10/26/2004

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IFW16

RAW SEQUENCE LISTING

DATE: 10/26/2004

PATENT APPLICATION: US/09/763,978B

TIME: 15:57:06

Input Set : A:\pto.lm.txt

Output Set: N:\CRF4\10262004\I763978B.raw

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3 <110> APPLICANT: Salceda, Susana
4     Sun, Yongming
5     Recipon, Herve
6     Cafferkey, Robert
8 <120> TITLE OF INVENTION: A NOVEL METHOD OF DIAGNOSING, MONITORING, STAGING, IMAGING
AND TREATING
9     VARIOUS CANCERS
11 <130> FILE REFERENCE: DEX-0172
13 <140> CURRENT APPLICATION NUMBER: 09/763,978B
C--> 14 <141> CURRENT FILING DATE: 2001-04-25
16 <150> PRIOR APPLICATION NUMBER: PCT/US99/19655
17 <151> PRIOR FILING DATE: 1999-09-01
19 <150> PRIOR APPLICATION NUMBER: 60/098,880
20 <151> PRIOR FILING DATE: 1998-09-02
22 <160> NUMBER OF SEQ ID NOS: 16
24 <170> SOFTWARE: PatentIn version 3.1
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 2587
28 <212> TYPE: DNA
29 <213> ORGANISM: Homo sapien
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36 tggagcaatt gcactcatca ttggctttgg tatttcaggg agacactcca tcacagtcac      180
38 tactgtcgcc tcagctggga acattgggga ggatggaatc ctgagctgca cttttgaacc      240
40 tgacatcaaa ctttctgata tcgtgataca atggctgaag gaagggtgtt taggcttggc      300
42 ccatgagttc aaagaaggca aagatgagct gtcggagcag gatgaaatgt tcagaggccg      360
44 gacagcagtg tttgctgata aagtgatagt tggcaatgcc tctttgcggc tgaaaaacgt      420
46 gcaactcaca gatgctggca cctacaaatg ttatatcatc acttctaaag gcaaggggaa      480
48 tgctaaccctt gagtataaaa ctggagcctt cagcatgccg gaagtgaatg tggactataa      540
50 tgccagctca gagaccttgc ggtgtgaggc tccccgatgg ttccccagc ccacagtgtg      600
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56 caacacatac tcctgtatga ttgaaaatga cattgccaaa gcaacagggg atatcaaagt      780
58 gacagaatcg gagatcaaaa ggcggagtca cctacagctg ctaaactcaa aggccttctc      840
60 gtgtgtctct tctttctttg ccacagctg ggcacttctg cctctcagcc cttacctgat      900
62 gctaaaataa tgtgccttgg ccacaaaaaa gcatgcaaag tcattgttac aacagggatc      960
64 tacagaacta tttcaccacc agatatgacc tagttttata tttctgggag gaaatgaatt      1020
66 catatctaga agtctggagt gagcaaaaca gagcaagaaa caaaaagaag ccaaaagcag      1080
68 aaggctccaa tatgaacaag ataaatctat cttcaaagac atattagaag ttgggaaaaat      1140
70 aattcatgtg aactagacaa gtgtgttaag agtgataagt aaaatgcacg tggagacaag      1200
72 tgcaccccca gatctcaggg acctccccct gcctgtcacc tggggagtga gaggacagga      1260
74 tagtgcatgt tctttgtctc tgaattttta gttatatgtg ctgtaatgtt gctctgagga      1320
76 agcccctgga aagtctatcc caacatatcc acatcttata ttccacaaat taagctgtag      1380

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78 tatgtaccct aagacgctgc taattgactg ccacttcgca actcaggggc ggctgcattt 1440
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82 cccaactgac aaatgccaaa gttgagaaaa atgatacataa ttttagcata aacagagcag 1560
84 tcggcgacac cgattttata aataaactga gcaccttctt tttaaacaaa caaatgcggg 1620
86 tttattttctc agatgatgtt catccgtgaa tgggtccaggg aaggaccttt caccttgact 1680
88 atatggcatt atgtcatcac aagctctgag gcttctcctt tccatcctgc gtggacagct 1740
90 aagacctcag ttttcaatag catctagagc agtgggactc agctggggtg atttcgcccc 1800
92 ccactctccg gggaatgtct gaagacaatt ttggttacct caatgagga gtggaggagg 1860
94 atacagtgtc actaccaact agtgataaaa ggccagggat gctgctcaac ctctaccat 1920
96 gtacaggacg tctccccatt acaactaccc aatccgaagt gtcaactgtg tcaggactaa 1980
98 gaaaccctgg ttttgagtag aaaagggcct ggaaagaggg gagccaacaa atctgtctgc 2040
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104 ctatgggaaa tgctgatgg gattatcttc agcttggtga gcttctaagt ttctttccct 2220
106 tcattctacc ctgcaagcca agttctgtaa gagaaatgcc tgagttctag ctacaggtttt 2280
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112 tgaggccttg aggaatgaag ctttgaagga aaagaatact ttgtttccag ccccttccc 2460
114 acactcttca tgtgttaacc actgccttcc tggaccttgg agccacggtg actgtattac 2520
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131 agccaggacc tgtgtgggga ggccctcctg ctgccttggg gtgacaatct cagctccagg 180
133 ctacaggagg accgggagga tcacagagcc agcatgttac aggatcctga cagtatcaa 240
135 cctctgaaca gctctgatgt caaacccttg cgaaacccc gtatcccat ggagaccttc 300
137 agaaagggtg ggatcccat catcatagca ctactgagcc tggcgagtat catcattgtg 360
139 gttgtctca tcaaggatgat tctggataaa tactacttcc tctgcgggca gcctctccac 420
141 ttcatcccga ggaagcagct gtgtgacgga gagctggact gtcccttggg ggaggacgag 480
143 gagcactgtg tcaagagctt cccgaaggg cctgcagtgg cagtccgcct ctccaaggac 540
145 cgatccacac tgcagggtgc ggactcggc acagggaact ggttctctgc ctgtttcgac 600
147 aacttcacag aagctctcgc tgagacagcc tgtaggcaga tgggctacag cagcaaaccc 660
149 acttttcagag ctgtggagat tggcccagac caggatctgg atgttgttga aatcacagaa 720
151 aacagccagg agcttcgcat gcggaactca agtgggcctt gtctctcagg ctccctggtc 780
153 tccttgcact gtcttgctg tgggaagagc ctgaagaccc cccgtgtggt ggggtggggag 840
155 gaggcctctg tggattcttg gccttggcag gtcagcatcc agtacgacaa acagcacgtc 900
157 tgtggaggga gcaccttgga ccccaactgg gtcctcacgg gcagcccact gcttcaggaa 960
159 acataccgat gtgttcaact ggaagggtgc ggcaggctca gacaaactgg gcagcttccc 1020
161 atccctggct gtggccaaga tcatcatcat tgaattcaac cccatgtacc ccaaagacaa 1080
163 tgacatcgcc ctcatgaagc tgcagttccc actcacttct tcaggcacag tcaggcccat 1140
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167 gggctttacg aagcagaatg gaggggaagat gtctgacata ctgctgcagg cgtcagttca 1260
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171 gatgatgtgt gcaggcatcc cgggaagggg tgtggacacc tgccagggtg acagtgggtg 1380

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177 ctacaatgtc tgggaaggctg agctgtaatg ctgctgcccc tttgcagtgc tgggagccgc 1560
179 ttcccttctg ccttgcacc ctggggatcc cccaaagtca gacacagagc aagagtcccc 1620
181 ttgggtacac cctctgccc acagcctcag cttttcttgg agcagcaaag ggctcaatt 1680
183 cctataagag accctcgcag cccagaggcg cccagaggaa gtcagcagcc ctagctcggc 1740
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187 gtattgctaa gccaaagaag aactttccca cactactgaa tggaaagcagg ctgtcttgta 1860
189 aaagcccaga tctctgtggg ctggagagga gaaggaaagg gtctgcgcca gccctgtccg 1920
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208 tgtttgtgca ttgggaatga cattctttcc cccccagga aaacctttgg gactttcaga 180
210 gacattgttg ctagecaacc acatggtcag cctcaaagtt gagaggctca gtaaccctcc 240
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214 tgtgactctc tggaaagtatg ctatgtttgt tatactttgc atccaaagcc agagggaacc 360
216 acaatgacta gtaaaacggg ggtctcaatg cccacttagc ctctgcctct gaatttgacc 420
218 atagtggcgt tcagctgata gagcgggaag aagaaatatg ctttttttat gaaaaataa 480
220 atatccaaga gaagatgaaa ctaaatggag aaattgaaat acatctactg gaagaaaaga 540
222 tccaattcct gaaaatgaag attgctgaga agcaaagaca aatttgtgtg acccagaaat 600
224 tactgccagc caagaggctc ctggatgccg acctagctgt gctccaaatt cagttttcac 660
226 agtgtacaga cagaattaaa gacctggaga aacagttcgt aaagcctgat ggtgagaata 720
228 gagctcgctt ccttccaggg aaagatctga ccgaaaaaga aatgatccaa aaattagaca 780
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240 tgccactcaa taaggaaatt gagaaagaat gggtgaaagt ccttcgagat gaagaaatgc 1140
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244 ccaatggtgt ttacacaact gcagagcagc gtccgaatgc ctacatccca gaagcagatg 1260
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252 aaaatgtgag cataatactt ctaataattat tgataagtaa ggtaaccaca attagtcagc 1500
254 aacagagtac aacagggttt ctatttacc accaactact atacctttca tgacgttgaa 1560
256 tgggacatag aactgtccta catttatgtc aaagtatata tttgaatgc ttatatattc 1620
258 tttttcactc tttatattga gtacattcca gaaatttgta gtaggcaagg tgctataaaa 1680
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264 <211> LENGTH: 257
265 <212> TYPE: DNA

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273 atatcttcta tttttaatat gaaagtcttg aaatgtatca gacagaaggg gatttcagtt      180
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290 ccacgtttat cagtgtcccc tggagggaca gtcacactca cttgtggctt ggctctgac      180
292 tcagtctcta ctaatttctt cccacctgg taccagcaga cccaggcca ggctccacgc      240
294 acgctcatct acagcacaag cactcgctct tctggggctc ctgacgttt ctctggctcc      300
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307 <223> OTHER INFORMATION: n = a, c, g or t
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311 <221> NAME/KEY: misc_feature
312 <222> LOCATION: (9)..(9)
313 <223> OTHER INFORMATION: n = a, c, g or t
316 <400> SEQUENCE: 6
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321 aaattgcctc catgcagact atgaaactgt tcagcctgct atagttagat ctctggcact      180
323 ggcccaggag gtcttgcaga tttgcagatc aaggagaacc caggagtttc aaagaagcgg      240
325 ctagtaaagg tctctgagat ccttgacta gctacatcct cagggtagga ggaagatggc      300
327 ttccagaagc atgeggctgc tctattgct gagctgctg gccaaaacag gagtccctgg      360
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333 gaaacggagc ccacctggca tctatcctga gtttaaagga agccagcacc atagcagagt      540
335 acataagtgg ctatcagaga agccagccga tatggattgg cctgcacgac ccacagaaga      600
337 ggcagcagtg gcagtggatt gatggggcca tgtatctgta cagatcctgg tctggcaagt      660
339 ccatgggtgg gaacaagcac tgtgctgaga tgagctccaa taacaacttt ttaacttgga      720
341 gcagcaacga atgcaacaag cgccaacact tctgtgcaa gtaccgacca tagagcaaga      780
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349 tctaaatggt tgccccgcca tccctttcca cagtatcctt ctccctcct cccctgtctc      1020
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357 aactcctgct tgtttttcct ttggccatgg gaagggtttac cagtagaate cttgctaggt 1260
359 tgatgtgggc catacattcc ttttaataaac cattgtgtac ataagagggt gctgtgttcc 1320
361 agttcagtaa atggtgaatg tggaaaagtg aaataagacc aagaaataca aa 1372
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367 <213> ORGANISM: Homo sapien
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370 <221> NAME/KEY: misc_feature
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372 <223> OTHER INFORMATION: n= a, c, g, or t
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378 ccactggact tagagatgga ttgaatgtgg aagattaagg aaagggagaa atgaaagata 120
380 gtcttaggtt tcattcttcag atgactgggt gaacagcagt gttctttgct aagatgggga 180
382 agactaggga aaagagccag ttctgtattg agcatattat atttaagaca atcccatctg 240
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415 tatagaaccg ttttgtgtag cattggaata ttgtccattt tgtaagtcac tgtgaatgtt 180
417 cttaattatc agcttgaagg tattttttgta ttaaaagttg acattgaaga acctaagtgg 240
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421 tggatatacat gggtatttta ttatgagatt tgtatatgtt ctgtgtttct ctgtgaacaa 360
W--> 423 tgtttcagtc tctctgtcac catatgtaag gggaagtcca caaatatagn actacattgc 420
425 acaaaaactaa aattgttaat tacaagaaaa tatagggtgct taccttttga aggtttatta 480
427 atacatatgg ttgtcacaat acgtatatat gataaatggg gtacataatac agatgtttat 540
429 ggtgtataaa tttttctata cccaattaga attatcttcc tgattcttta ttcaataaca 600
431 tgctaattcc tcttctatgt tctatagtga cagaatgcta acttttctta taccctggca 660
433 gaggacagag gagtctgggc taggatgggg aactgaattt ttgaacgaaa aggaaagaga 720
W--> 435 aaggatgnnn nnnnnnnnnnn nnnnnnnnnn nnnnnntaat gtttcttagt cattttgatt 780

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RAW SEQUENCE LISTING ERROR SUMMARY
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Input Set : A:\pto.lm.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:6; N Pos. 6,9
Seq#:7; N Pos. 277
Seq#:8; N Pos. 410,728,729,730,731,732,733,734,735,736,737,738,739,740,741
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Seq#:8; N Pos. 957
Seq#:12; N Pos. 30,248,383
Seq#:16; N Pos. 168,169,170,171,172,173,174,175,176,177,178,179,180,181,182
Seq#:16; N Pos. 183,184,185,186,187,188,189,190,191,192,193,194,195,196,197
Seq#:16; N Pos. 198,199,200,201,202,203,204,205,206,207,208,209,210,211,212
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Seq#:16; N Pos. 228,229,230,231,232,233,234,235,236,237

VERIFICATION SUMMARY

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L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:384 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:240
L:423 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:360
L:435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:720
L:441 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:900
L:635 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:643 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:240
L:647 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:360
L:837 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:120
L:839 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:180